

EAST SEARCH

9/16/05

L#	Hits	Search String	Databases
L1	2	5.079731.bn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L2	2	5.428.555.bn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L3	2	5.119.468.bn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L4	2	5.097.412.bn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L5	2	4.663.704.bn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L6	2	4.506.324.bn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L7	4252	process control and simulat\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L8	481	process control with simulat\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L9	86	8 and (distributed with ("process control" or controller or "control system"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L11	0	10 and ("display module" or "display controller")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L12	54	10 and display	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L13	53	10 and ("configuration module" or configuration)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L14	55	10 and ("control module" or controller)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L15	41	10 and ("I/O device" or (input with output with device\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L16	48	10 and ((field with device\$1) or (controlled with device\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L17	46	10 and Fieldbus	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L18	0	10 and "OPC interface"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L20	1	10 and ("execution rate" or (speed with execution))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L21	1	10 and (execution with interval)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L22	1	9 and (execution with interval)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L23	1	9 and ("execution rate" or (speed with execution))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L24	7	8 and ("execution rate" or (speed with execution))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L25	9	8 and (execution with interval)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L19	4	10 and (OPC with interface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L26	4	9 and (OPC with interface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L27	4	8 and (OPC with interface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L28	9	7 and (OPC with interface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L29	9	7 and (OPC with protocol)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L30	207	process control and OPC	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L32	16	31 and "user interface"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L31	47	30 and simulat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L33	55	10 and ("control module" or controller)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L34	53	12 and 13	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L35	53	34 and 10	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L36	53	35 and 33	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L37	41	36 and 15	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L38	41	37 and 16	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L39	37	38 and 17	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L10	55	9 and "user interface"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

L40	113	8 and "user interface"	
L1	475	Fieldbus protocol or "Fieldbus Foundation" or Fieldbus	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L2	99	Fieldbus protocol	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L3	58	2 and (distributed with ("process control" or controller or "control system"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L4	20	3 and simulat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
S1	4479	process control and simulat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S2	72364	(design or develop\$4 or configur\$5) with ("control algorithm" or controller or "control system")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S3	1031	("process control" and simulat\$3) and ((design or develop\$4 or configur\$5) with ("control algorithm" or controller or "control system"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S4	534	((("process control" and simulat\$3) and ((design or develop\$4 or configur\$5) with ("control algorithm" or controller or "control system")))) and ((("process control" and simulat\$3) and ((design or develop\$4 or configur\$5) with ("control algorithm" or controller or "control system"))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S5	315	((("process control" and simulat\$3) and ((design or develop\$4 or configur\$5) with ("control algorithm" or controller or "control system")))) and ((("process control" and simulat\$3) and ((design or develop\$4 or configur\$5) with ("control algorithm" or controller or "control system"))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S6	205	(((("process control" and simulat\$3) and ((design or develop\$4 or configur\$5) with ("control algorithm" or controller or "control system")))) and ((("process control" and simulat\$3) and ((design or develop\$4 or configur\$5) with ("control algorithm" or controller or "control system"))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S7	0	(((("process control" and simulat\$3) and ((design or develop\$4 or configur\$5) with ("control algorithm" or controller or "control system")))) and ((("process control" and simulat\$3) and ((design or develop\$4 or configur\$5) with ("control algorithm" or controller or "control system"))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S8	615	distributed near2 process near2 control\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S9	54	S8 and ((plurality or multiple or different) near2 protocol\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S10	14	S8 and ((plurality or multiple or different) near2 communication near2 protocol\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

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Mark Nixon

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Results of search set L40: (process control with simulat\$1) and "user interface"

Document Kind	Code Title	Issue Date	Current OR
US 20030046663 A1	System and method for analyzing a graphical program using debugging graphical programs	20030306 717125	
US 20030046657 A1	Creating a graphical program to configure one or more switch devices	20030306 717105	
US 20030043175 A1	System and method for specifying a machine vision process using different programming methods	20030306 345700	
US 20030038841 A1	System and method for specifying a computer-implemented process using different programming methods	200303227 345762	
US 20030037322 A1	Graphically configuring program invocation relationships by creating or modifying links among programs	200303220 717162	
US 20030037316 A1	Configuration diagram with context sensitive connectivity	200303220 717127	
US 20030037135 A1	Process control bus monitoring and analysis	200303220 709224	
US 20030037119 A1	GRAPHICAL PROGRAMMING SYSTEM AND METHOD INCLUDING NODES FOR PROGRAMMING	200303220 709217	
US 20030036876 A1	Network-based system for configuring a measurement system using configuration information generated by a graphical user interface	200303220 702127	
US 20030036875 A1	Network-based system for configuring a programmable hardware element in a measurement system	200303220 702123	
US 20030036874 A1	Network-based system for configuring a measurement system using configuration information generated by a graphical user interface	200303220 702123	
US 20030036873 A1	Network-based system for configuring a measurement system using software programs generated by a graphical user interface	200303220 702119	
US 20030036871 A1	System and method for online specification of measurement hardware	200303220 345771	
US 20030035010 A1	Configuring graphical program nodes for remote execution	200303220 345771	
US 20030035009 A1	Creation of a graphical program through graphical association of a data point element with the graphical user interface	200303220 345771	
US 20030035008 A1	Method and apparatus for controlling an instrumentation system	200303220 345771	
US 20030035006 A1	Graphical association of a device icon with a graphical program	200303220 345763	
US 20030035005 A1	Graphically deployment of a program with automatic conversion of program type	200303220 345762	
US 20030035004 A1	System and method for deploying a graphical program to a PDA device	200303220 345736	
US 20030034998 A1	Graphical association of program icons		

US 20030025730 A1	Method for defining look and feel of a user interface obviating the requirement to write programming	20030206 345/760
US 20030023686 A1	Virtual consultant	20030130 709/125
US 20030018446 A1	Graphical program node for generating a measurement program	20030123 702/123
US 20030005180 A1	Measurements expert system and method for generating high-performance measurements software	20030102 709/328
US 20030005179 A1	System of measurements experts and method for generating high-performance measurements soft	20030102 709/328
US 20030004670 A1	Measurement system software architecture for easily creating high-performance measurement appl	20030102 702/123
US 20030001896 A1	Measurement system graphical user interface for easily configuring measurement applications	20030102 345/771
US 20020196283 A1	System and method for creating a graphical program based on a pre-defined program process	20021126 345/763
US 20020196282 A1	Collector node for a graphical program	20021126 345/763
US 20020191023 A1	System and method for graphically creating a sequence of motion control operations	20021219 345/771
US 20020188433 A1	Generic device simulator for process control	20021212 703/21
US 20020186245 A1	System and method for configuring a hardware device to execute a prototype	20021212 345/764
US 20020174264 A1	System and method for obtaining driver software and documentation for a detected hardware and s	20021121 709/321
US 20020152280 A1	Network system including data socket components for accessing internet semaphores	20021017 709/217
US 20020145629 A1	System and method for creating a graphical program including a plurality of portions to be executed	20021010 345/763
US 20020138590 A1	System method and article of manufacture for creating a virtual university experience	20020926 709/218
US 20020129333 A1	System and method for programmatically generating a graphical program based on a sequence of r	20020912 717/107
US 20020126151 A1	System and method for graphically creating a sequence of motion control, machine vision, and data	20020912 345/771
US 20020119434 A1	System method and article of manufacture for creating chat rooms with multiple roles for multiple pa	20020829 434/322
US 2002011783 A1	Simulation, measurement and/or control system and method with coordinated timing	20020815 703/13
US 20020109726 A1	System and method for accessing registers of a hardware device in a graphical program	20020815 345/771
US 20020109722 A1	System and method for performing type checking for hardware device nodes in a graphical program	20020815 345/763
US 20020089538 A1	System and method for programmatically generating a second graphical program based on a first gi	20020711 345/763
US 20020083413 A1	System and method for programmatically generating a graphical program in response to a state dia	20020627 717/109
US 20020082893 A1	Delivery system and method for vehicles and the like	20020627 705/8
US 20020080174 A1	System and method for configuring an instrument to perform measurement functions utilizing conve	20020627 345/762
US 20020070966 A1	System and method for automatically configuring a graphical program to publish or subscribe to dat	20020613 345/763
US 20020067757 A1	Programmable modem apparatus for transmitting and receiving digital data, design method and use	20020606 375/130
US 20020055947 A1	System and method for deploying a graphical program on an image acquisition device	20020509 715/500
US 20020049625 A1	Artificial intelligence manufacturing and design	20020425 705/9
US 20020022939 A1	Control program development support apparatus	20020221 702/123
US 20020010571 A1	Systems and methods for interactive virtual reality process control and simulation (IVRPCS)	20020124 703/21
US 20010051928 A1	Protection of software by personalization, and an arrangement, method, and system therefor	20011213 705/52
US 20010035879 A1	System and method for programmatically creating nodes in a graphical program with minimal graphi	20011101 345/763
US 20010034881 A1	System and method for enhancing the readability of a graphical program	20011025 717/141
US 20010024211 A1	System and method for programmatically generating a graphical program in response to user input	20010927 345/763
US 20010020291 A1	System and method for programmatically modifying a graphical program in response to program inf	20010906 717/100
US 6535795 B1	System and method for programmatically generating a graphical program in response to program in	20030318 700/266
US 6526566 B1	Method for chemical addition utilizing adaptive optimization	20030225 717/109
US 6518550 B1	Graphical programming system and method including nodes for programmatically accessing data si	20030211 219/497
US 6510353 B1	System, controller, computer readable memory, and method for precise on-line control of heat trans	20030121 700/37
US 6466995 B2	Determining tuning parameters for a process controller from a robustness map	20021015 710/11
US 6446055 B1	Messaging application layer over ethernet to transport layer (TCP) communications method and app	20020903 706/10
US 6445963 B1	Process control	20020903 700/44
	Integrated advanced control blocks in process control systems	

US 6425117 B1	System and method for performing optical proximity correction on the interface between optical proy	20020723 716/21
US 6410066 B1	Controller and method for administering and providing on-line handling of deviations in a continuous	20020625 426/231
US 6404437 B1	Nuclear reactor core performance data visualization system	20020611 345/473
US 6347254 B1	Process facility control systems using an efficient prediction form and methods of operating the sam	20020212 700/29
US 6307877 B1	Programmable modem apparatus for transmitting and receiving digital data, design method and use	20011023 375/130
US 6289299 B1	Systems and methods for interactive virtual reality process control and simulation	20010911 703/21
US 6269853 B1	Data structure for use in enterprise controls	20010731 700/83
US 6233626 B1	System for a modular terminal input/output interface for communicating messaging application layer	20010515 710/11
US 6212566 B1	Interprocess communication protocol system modem	20010403 709/230
US 6161054 A	Cell control method and apparatus	200001212 700/121
US 6154215 A	Method and apparatus for maintaining multiple representations of a same scene in computer gener	200001128 345/418
US 6153860 A	System, controller, computer readable memory, and method for precise on-line control of heat trans	200001128 219/497
US 6112126 A	Adaptive object-oriented optimization software system	200000829 700/29
US 6053736 A	Interactive training system for AWACS weapons directors	200000425 434/11
US 5992229 A	Method and equipment for determining the performance of control valve	19991130 73/168
US 5980096 A	Computer-based system, methods and graphical interface for information storage, modeling and sti	19991109 707/10
US 5959617 A	Light pen input systems	19990928 345/182
US 5949682 A	Heated circuit assembly tester and method	19990907 700/121
US 5898860 A	System and method for automatically generating a control drawing for a real-time process control s	19990427 703/6
US 5872810 A	Programmable modem apparatus for transmitting and receiving digital data, design method and use	19990216 375/222
US 5838568 A	Heated circuit assembly tester and method	19981117 700/121
US 5818736 A	System and method for simulating signal flow through a logic block pattern of a real time process cc	19981006 703/16
US 5789682 A	Circuit board assembly torsion tester and method	19980804 73/814
US 5752008 A	Real-time process control simulation method and apparatus	19980512 703/13
US 5736646 A	Circuit board assembly torsion tester and method	19980407 73/814
US 5699089 A	Central control for sequential-playback objects	19971216 345/823
US 5621670 A	Communication service simulator and a communication service specification verifying method	19970415 703/21
US 5567884 A	Circuit board assembly torsion tester and method	19961022 73/814
US 5545244 A	Control for glass forming machine	19960813 65/160
US 5446870 A	Spatially resolved stochastic simulation system	19950829 703/6
US 5418952 A	Parallel processor cell computer system	19950523 712/14
US 5418887 A	Data processing apparatus for a temporal based rule system	19950523 706/58
US 5408603 A	Global process control information system and method	19950418 345/763
US 5347449 A	Method for eliminating malfunctions, in particular in spinning machines	19940913 700/80
US 5204872 A	Control system for electric arc furnace	19930420 373/104
US 5202837 A	Material consolidation modeling and control system	19930413 700/98
US 5136717 A	Realtime systolic, multiple-instruction, single-data parallel computer system	19920804 712/16
US 5136497 A	Material consolidation modeling and control system	19920804 700/45
US 5058043 A	Batch process control using expert systems	19911015 700/167
US 4965743 A	Discrete event simulation tool for analysis of qualitative models of continuous processing system	19901023 706/45
US 4965713 A	Terminal element	19901023 700/29
US 4881230 A	Expert system for processing errors in a multiplex communications system	19891114 714/712
US 4873687 A	Failing resource manager in a multiplex communication system	19891010 714/4
US 4817092 A	Threshold alarms for processing errors in a multiplex communications system	19890328 714/10
US 20020070966 A	Graphical program configuration method in computer system, involves automatically configuring gra	20020613

US 20010035879 A	Graphical program node configuration method for industrial automation applications, involves generating graphical implemented graphical program generation method for industrial system, process control	20011101
US 20010034879 A	Computer implemented graphical program generation method for industrial system, process control	20011025
US 6243076 B	Eye gaze interaction system for controlling interface of host system, makes host system to perform	20000323
Results of search set \$9:		
US 20050134909 A1	Distributed printing control device and print job distribution method	20050623 358/1.15
US 2005007249 A1	Integrated alert generation in a process plant	20050113 340/511
US 20050005022 A1	Generic Communications Protocol Translator	20050106 709/236
US 20040249651 A1	Method and process management system for the operation of a technical plant	20041209 705/1
US 20040233918 A1	Multi-user diversity forwarding	20041125 370/400
US 20040213285 A1	Shadow function block interface for use in a process control network	20041028 370/465
US 20040078182 A1	Simulation system for multi-node process control systems	20040422 703/22
US 20030236937 A1	Plug and play reconfigurable USB interface for industrial fieldbus network access	20031225 710/305
US 20030014536 A1	INTELLIGENT LINKING DEVICE AND METHOD	20030116 709/238
US 20020194547 A1	Wiring fault detection, diagnosis and reporting for process control systems	20021219 714/43
US 20020184410 A1	Input/output device with configuration, fault isolation and redundant fault assist functionality	20021205 710/5
US 20020116453 A1	Industrial process control data access server supporting multiple client data exchange protocols	20020822 709/203
US 20020095515 A1	Method and apparatus for identifying an I/O network in a process control system	20020718 709/245
US 20020077711 A1	Fusion of process performance monitoring with process equipment monitoring and control	20020620 700/51
US 20020013629 A1	Process control system using a process control strategy distributed among multiple control element	20020131 700/4
US 6944681 B1	Probing algorithm for foundation fieldbus protocol	20050913 710/8
US 6912671 B2	Wiring fault detection, diagnosis and reporting for process control systems	20050628 714/25
US 6839790 B2	Plug and play reconfigurable USB interface for industrial fieldbus network access	20050104 710/305
US 6810430 B1	Network communications coupler	20041026 709/249
US 6735730 B1	Generic communications protocol translator	20040831 709/230
US 6738388 B1	Shadow function block interface for use in a process control network	20040518 370/465
US 6711629 B1	Transparent support of remote I/O in a process control system	20040323 710/8
US 6618745 B2	Linking device in a process control system that allows the formation of a control loop having function	20030909 709/201
US 65594530 B1	Block-oriented control system	20030715 700/18
US 6424872 B1	Block oriented control system	20020723 700/18
US 6285966 B1	Function block apparatus for viewing data in a process control system	20010904 702/188
US 6237786 B1	Systems and methods for secure transaction management and electronic rights protection	20010529 213/153
US 6195591 B1	Process control system using a process control strategy distributed among multiple control element	20010227 700/83
US 6192281 B1	Network accessible interface for a process control network	20010220 700/2
US 6111886 A	Apparatus for and method of communicating among devices interconnected on a bus	20000829 370/438
US 6111885 A	Apparatus for and method of communicating data among devices interconnected on a bus	20000829 370/438
US 6104722 A	Apparatus for and method of communicating among devices interconnected on a bus	20000815 370/438
US 6073197 A	Apparatus for and method of communicating data among devices interconnected on a bus by using integrated communication network for use in a field device management system	20000606 710/104
US 5960214 A	Fieldbus connector including dual connectors	19990928 710/15
US 5928754 A	Apparatus for and method of communicating among devices interconnected on a bus	19990817 710/305
US 5926960 A	Distributed internet protocol-based real-time multimedia streaming architecture	19990810 370/438
US 5928331 A	Method for coordinating membership with asymmetric safety in a distributed system	19990727 709/231
US 5923831 A	Process control system using a process control strategy distributed among multiple control element	19990713 714/12
US 5909368 A	Interface controls for use in a field device management system	19990601 700/2
US 5903455 A		19990511 700/83

US 5875186 A
US 5838730 A
US 5831848 A
US 5796602 A
US 5729680 A
US 5717688 A
US 5544316 A
US 5421004 A
US 5381534 A
US 4677612 A
US 4581734 A
US 4570257 A
US 4539655 A
US 6810430 B

Dynamic wireless local area network with interactive communications within the network
Radio transmitter/receiver for wireless local area network
Distributed environmental process control system
Method and apparatus using a device description for a conventional device
Ad hoc initialization for wireless local area network
Wireless local area network with roaming indicating multiple communication ranges
Method and system for optionally registering a local process to allow participation in a single system
Hierarchical testing environment
System for automatically generating efficient application - customized client/server operating environment
Communication system with subdivided transmission cycles
Multipriority communication system
Communication system with slot time error detection
Microcomputer based distributed control network
Communication system has network communication coupler which stores one or more instances of

19990223 370/331
19981117 375/272
19981103 700/3
19980818 700/1
19980317 709/222
19980210 370/331
19960806 719/310
19950530 714/25
19950110 709/203
19870630 370/445
19860408 370/412
19860211 370/216
19850903 710/100
20041026